

Understanding transport choices and behaviour: An interdisciplinary approach transport and the impact on GHG emissions.

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As cities and countries set to reduce their GHG emissions, transportation choices and behaviour become key focus areas for governments around the globe. Prices are influenced by the long-term social and environmental costs of transport choices and the costs associated with running each form of transportation. Although cost is seen to play a part in transport choices, research findings relating to pricing strategies, such as congestion pricing and vehicle-purchase restrictions have not been as effective as anticipated.

To understand transport behaviour, it is crucial that the individual transport decisions and the psychological factors that influence these decisions are explored in greater depth to model the economic, environmental and societal impacts of transport decisions. This study presents a comprehensive interdisciplinary model for exploring public transport behaviour. This model combines public transport attitudes and behaviours, pricing strategies and the economic, environmental and societal impacts of GHG emissions to understand their effects on public transport use. This study aims to provide a greater understanding of the factors that influence large-scale behaviour change transport interventions and subsequent GHG emission reduction benefits for governments.